



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 0 937 476 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
17.11.1999 Bulletin 1999/46

(51) Int. Cl.<sup>6</sup>: **A61M 5/315**, **A61M 5/24**

(43) Date of publication A2:  
25.08.1999 Bulletin 1999/34

(21) Application number: **99102373.0**

(22) Date of filing: **08.02.1999**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU**  
**MC NL PT SE**  
Designated Extension States:  
**AL LT LV MK RO SI**

(30) Priority: **23.02.1998 US 027607**

(71) Applicant:  
**Becton, Dickinson and Company**  
**Franklin Lakes, New Jersey 07417-1880 (US)**

(72) Inventors:  
• **Glambattista, Lucio**  
**East Hanover, New Jersey (US)**  
• **Guillermo, Carlos**  
**East Hampton, Connecticut (US)**  
• **Burbank, John**  
**Ridgefield, Connecticut (US)**

(74) Representative:  
**von Kreisler, Alek, Dipl.-Chem. et al**  
**Patentanwälte,**  
**von Kreisler-Setling-Werner,**  
**Bahnhofsvorplatz 1 (Deichmannhaus)**  
**50667 Köln (DE)**

(54) **Low-cost medication delivery pen**

(57) A medication delivery pen having very few parts allowing it to be manufactured at a very low-cost. The medication delivery pen also includes an automatic release mechanism to allow the user to easily reset the dose on the medication delivery pen and a mechanism

for allowing the lead screw to easily retract back into the body of the medication delivery pen when the vial retainer has been removed to receive a new vial.

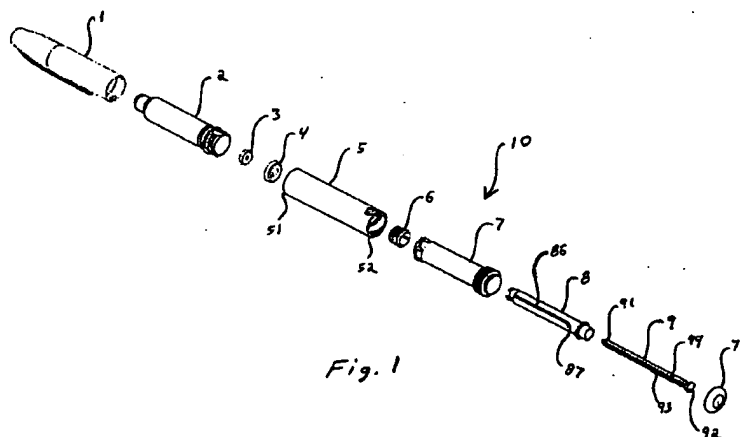


Fig. 1

EP 0 937 476 A3



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 99 10 2373

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	WO 97 09080 A (VISIONARY MEDICAL PRODUCTS COR) 13 March 1997 (1997-03-13) * page 10, line 27 - page 11, line 4 * * figures 7A-7I *	1	A61M5/315 A61M5/24
A	CH 224 512 A (G. LAUBSCHER & CO.) 30 November 1942 (1942-11-30) * page 2, line 9 - line 27 * * figures 2-4 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A61M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 September 1999	Examiner Sedy, R
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.92 (F04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 99 10 2373

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

28-09-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9709080 A	13-03-1997	US 5820602 A	13-10-1998
		AU 1860697 A	28-07-1997
		EP 0850079 A	01-07-1998
CH 224512 A		NONE	